

 SA Port Operations	REFERENCE EEAM-Q-003	REVISION 1			
DOCUMENT TYPE SPECIFICATION					
TITLE: SPECIFICATION FOR STEEL WIRE ROPES		PAGE 0 of 03			
COMPILED BY: PROJECT ENGINEER (HARRY DICKINSON)	REVIEWED BY: CAPITAL PROJECT MANAGER (DAN REDDY)	REVIEWED BY: ACTING EXECUTIVE SHEQR MANAGER (RAYMOND VAN ROOYEN)			
AUTHORIZED BY: GENERAL MANAGER – EQUIPMENT ENGINEERING & ASSET MANAGER (HAMILTON NXUMALO)					
FUTURE REVISION RECORD NUMBER	DESCRIPTION OF REVISION	APPROVAL	DATE		
-1-	Point (3) rectified (s) for shall was missing		17/04/05		
<p style="text-align: center;">CONTENTS</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 80%; border: none;">1.0 STEEL WIRE ROPE SPECIFICATION HE 9/3/4</td> <td style="width: 20%; border: none; text-align: right;">Page 02</td> </tr> </table>				1.0 STEEL WIRE ROPE SPECIFICATION HE 9/3/4	Page 02
1.0 STEEL WIRE ROPE SPECIFICATION HE 9/3/4	Page 02				
KEYWORDS STEEL WIRE ROPES		DATE OF LAST REVIEW: N/A DATE OF NEXT REVIEW: 01/06/05			

1.0 STEEL WIRE ROPES

SPECIFICATION HE 9/2/3 [Version 4]

March 1999

1. The steel wire ropes shall conform to a recognised international specification.
2. The ratio of the diameter of the rope to the diameter of the rope drums and sheaves, over which the rope passes shall be as laid down in Clauses 27 and 28 of B.S. No. 2452/Latest Edition.
3. Ropes used in cranes shall also comply with BS302.
4. All steel wire ropes used must be freely obtainable from local suppliers.
5. The ropes shall be tested and a test certificate issued by an approved organisation must be supplied with the ropes.
6. Tenderers must supply the following information for all the wire ropes offered:-
 - 6.1. Construction
 - 6.2. Type of lay
 - 6.3. Finish
 - 6.4. Type of core
 - 6.5. Tensile grade of steel wire
 - 6.6. Nominal diameter (mm)
 - 6.7. Estimated breaking force (kN)
 - 6.8. Estimated mass/metre (kg/m)
 - 6.9. International specification to which steel wire ropes have been manufactured
 - 6.10. Expected life of rope
 - 6.11. Recommended fabrication of rope
7. Detailed reeving instructions must be included in the maintenance manuals (ref. HE9/2/9)
8. The length of each piece of rope as fitted in the equipment must be listed in the maintenance manuals (reference HE 9/2/9)

---oOo---

END OF SPECIFICATION HE 9/2/3 [Version 4]